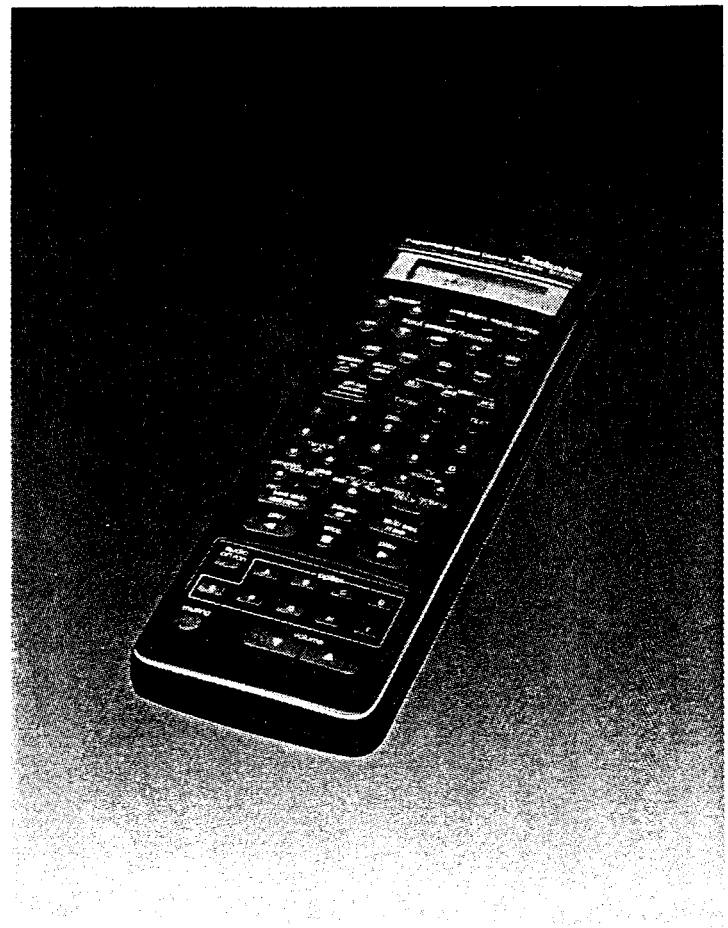
6094

Technics

Programmable
Remote Control Transmitter

SH-R500

OPERATING INSTRUCTIONS



E

Before operating this unit, please read these instructions completely.

6094

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Dear Stereo Fan

Thank you for purchasing the Programmable Remote Control Transmitter SH-R500.
For optimum performance and safety, please read these instructions carefully.

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Accessory

- Manganese batteries [R03 (UM-4) "AAA" 1.5 V] 4

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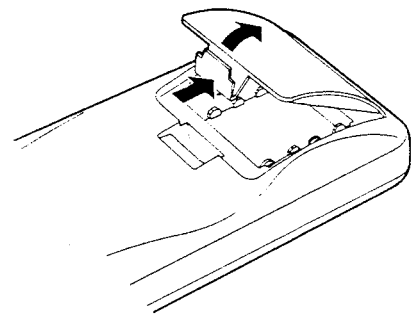
Battery Installation

1 Open the cover.

Press the lever and move the cover in the direction of the arrow.

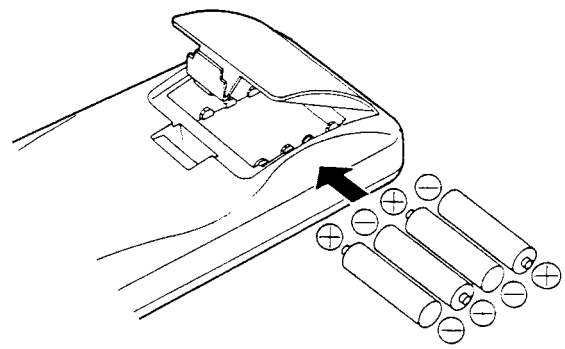


2 Insert the batteries.

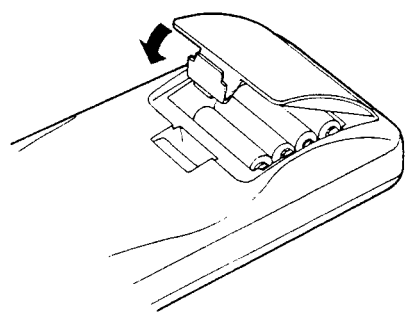
Use four manganese batteries [R03 (UM-4) "AAA" 1.5 V].

Be sure that the batteries are inserted so that their positive (+) and negative (−) polarities match the polarities indicated in the compartment. Batteries installed incorrectly may leak and cause damage.

Refer to "Use of Batteries" on page 4 for additional information.



3 Close the cover.



Use of Batteries

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Use manganese batteries in this unit.
We recommend the use of alkaline batteries if the remote control is used very frequently.

Do not mix old and new batteries, or batteries of different types (carbon and manganese, etc.).

Always remove old, weak or worn-out batteries promptly and dispose of them properly.

The battery life is about 6 months.
Although the battery life varies depending on how often the device is used, the batteries should be replaced about once every 6 months on the average.

Because a fairly large power is required in order to enter other remote-control signals into the memory of this unit, note that the batteries will weaken faster if such memory entries are made often.

The batteries should be replaced if commands from the remote control transmitter do not operate the unit even when the transmitter is held close to the front panel, or when the display becomes dim during operation.

Since this unit retains the memory of the "learning" keys for about one hour from the time the batteries are removed, when replacement is necessary, be sure to have the new batteries ready at hand before removing the old batteries.
If the memorized codes are erased by not replacing the batteries quickly, reprogram this unit again. The original SH-R500 pre-programmed remote-control codes are not erased.

Never subject batteries to excessive heat or flame; do not attempt to disassemble them; and be sure they are not short-circuited.

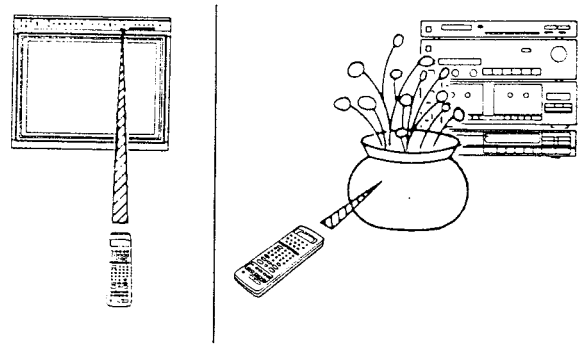
If a battery leaks, remove all batteries and dispose of them properly. Thoroughly clean the battery compartment before inserting new batteries.
If the electrolyte comes into contact with skin or clothes, flush with water immediately.

Keep batteries out of reach of children.

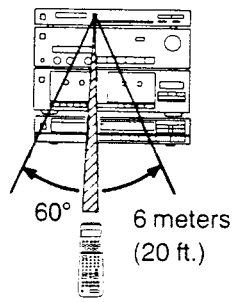
Do not use rechargeable (nickel-cadmium) type batteries.

Operation Notes

Aim the remote control's transmission window toward the unit's sensor. Avoid any obstacles.

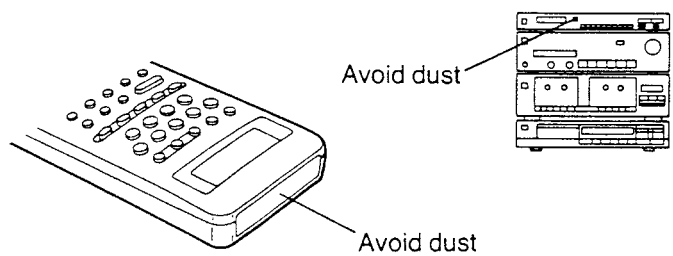


Use the remote control within a 60 degree angle and within 6 meters (20 ft.) from the unit.



- If the receiving unit is placed in an audio rack, the distance that the remote-control transmitter can be used from might be reduced due to the thickness or color of the glass door.

Be sure the transmission window and the unit's sensor are free from dust. Excessive dust might prevent reception.



The operation may not be correct if direct sunlight or other strong light source strikes the remote control signal sensor part of this unit. If there is a problem, place the unit away from the light source.

The audio control panel of the remote control may be covered by a clear plastic protective sheet. This sheet may be removed if desired.

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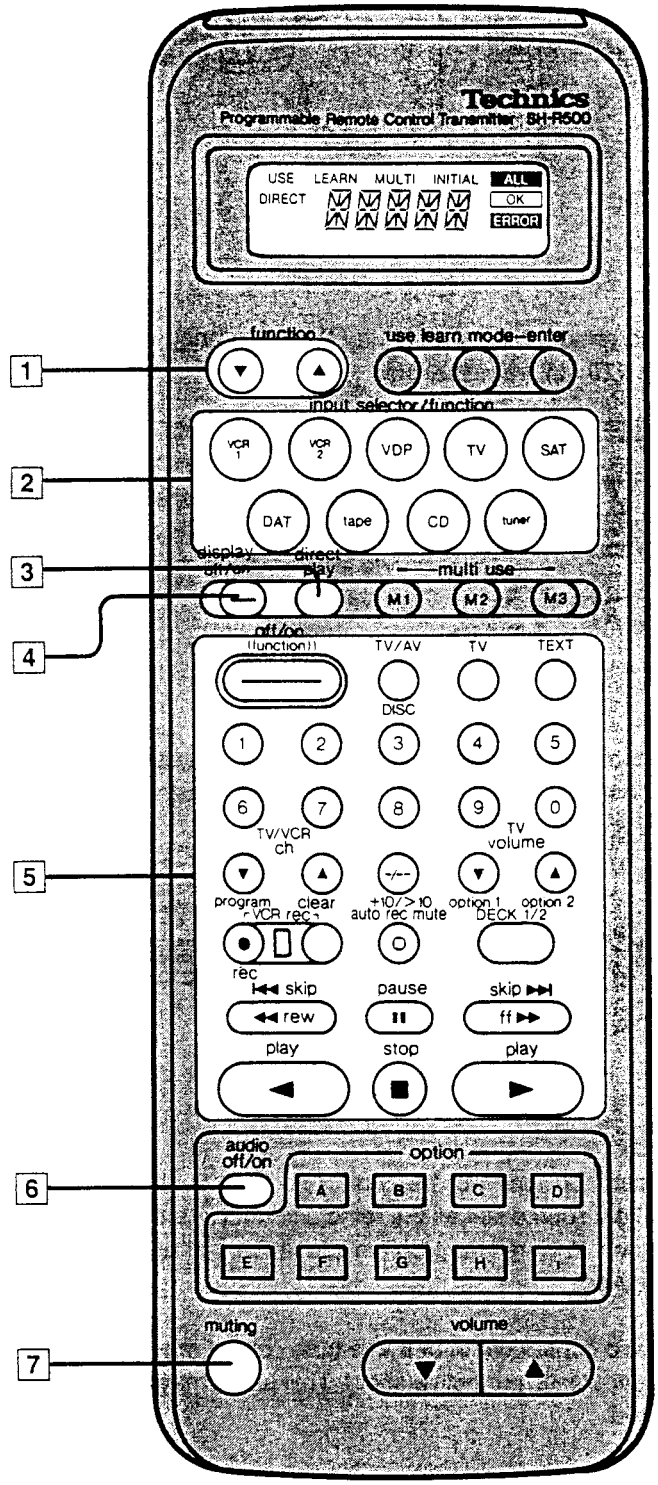
Controls and Their Functions



[1] Function select keys

These keys are used to select the component to be controlled by this unit.

[2] Input/function select keys

These keys are used to select the input source at the component and to select the component to be controlled by this unit.

[3] Direct play key

This key is used to change this unit to the "direct play" mode.

[4] Display off/on key

This key is used to switch ON or OFF the display of this unit.
It automatically goes "OFF" when the display is not used for approximately 18 minutes.

[5] Operation keys

These keys are used to select the desired function of the selected component.

[6] Audio power key

This key is used to switch ON or OFF the power of the desired component.

[7] Muting key

This key is used to temporarily reduce the volume level. The volume level is attenuated by 20 dB (approx. 1/10). Press once again to resume to the previous volume level.

(Continued on next page)

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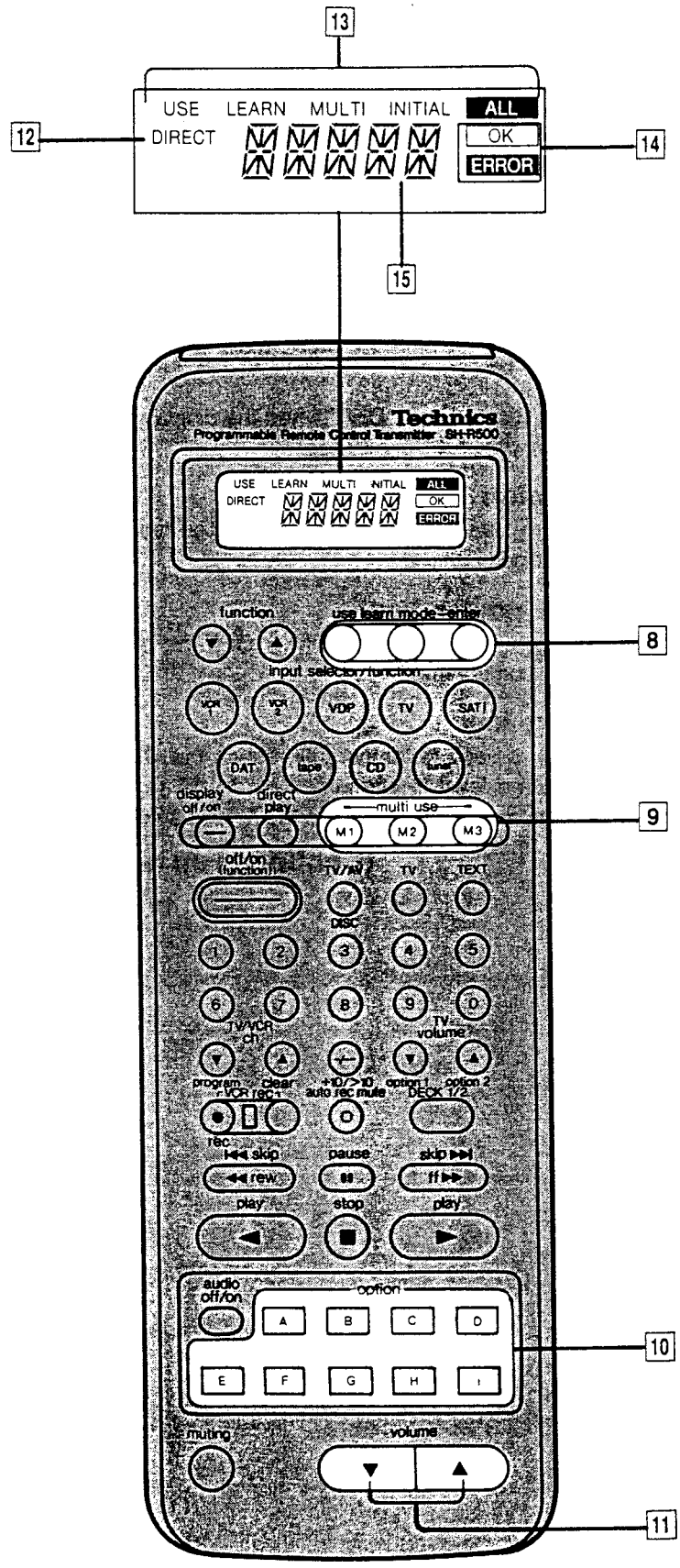
Controls and Their Functions (continued)



[8] Operation mode select keys

These keys are used to select the operation mode to be operated by this unit.

use: Select the "use" key to set this unit for normal operation.

learn mode: Select the "learn mode" key to set this unit to the "learn" mode.

enter: Select the "enter" key to select the mode. (See item [13].)

See pages 23 through 37 for more details.

[9] Multi-function keys

These keys are used to memorize a series of codes (up to 8 codes) and transmit these codes in a single operation.

(See pages 28 through 31.)

[10] Optional keys

These keys are used to memorize a code to be used frequently.

(See page 33.)

[11] Volume keys

These keys are used to adjust the volume level.

Display section

[12] Direct indicator

This indicator illuminates when this unit is set to the "direct play" mode.

[13] Operation mode indicators

One of these indicators shows the operation mode to be operated by this unit.

[14] [OK]/[ERROR] indicators

[15] Component display

This display shows which of the component function has been selected.

The display shows "FULL" if memory capacity is exceeded when signals from another remote control are memorized.

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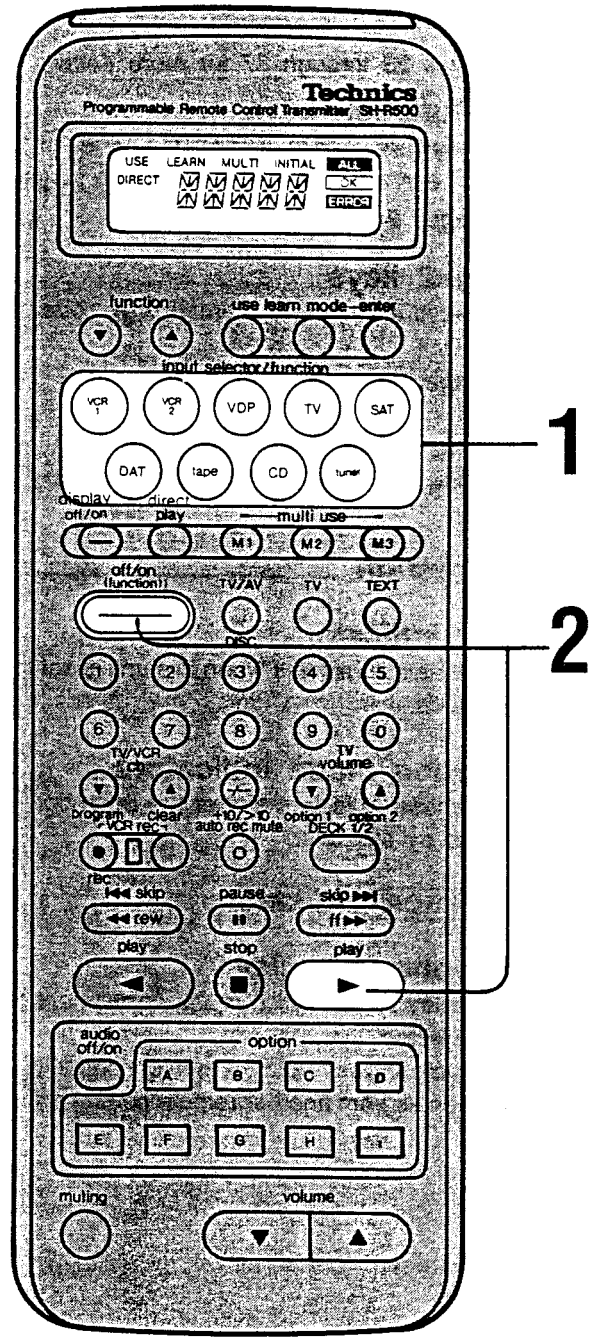
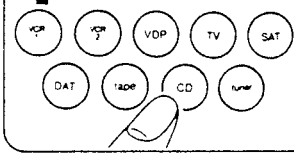
Before Using the Remote Control

This remote control comes in two types, new and old. This remote control is already set with the old codes so first check if it can operate your equipment as it is.



1



Select the component to be operated.
Check all the equipment you are using.

2

Press the power or play buttons, etc.

If operation is possible

Use the remote control as it is without changing codes.

If operation is not possible

Since this remote control can not be operated as it is, first change the mode and then begin to operate each piece of equipment.
Follow the procedure given on the next page for changing the mode.

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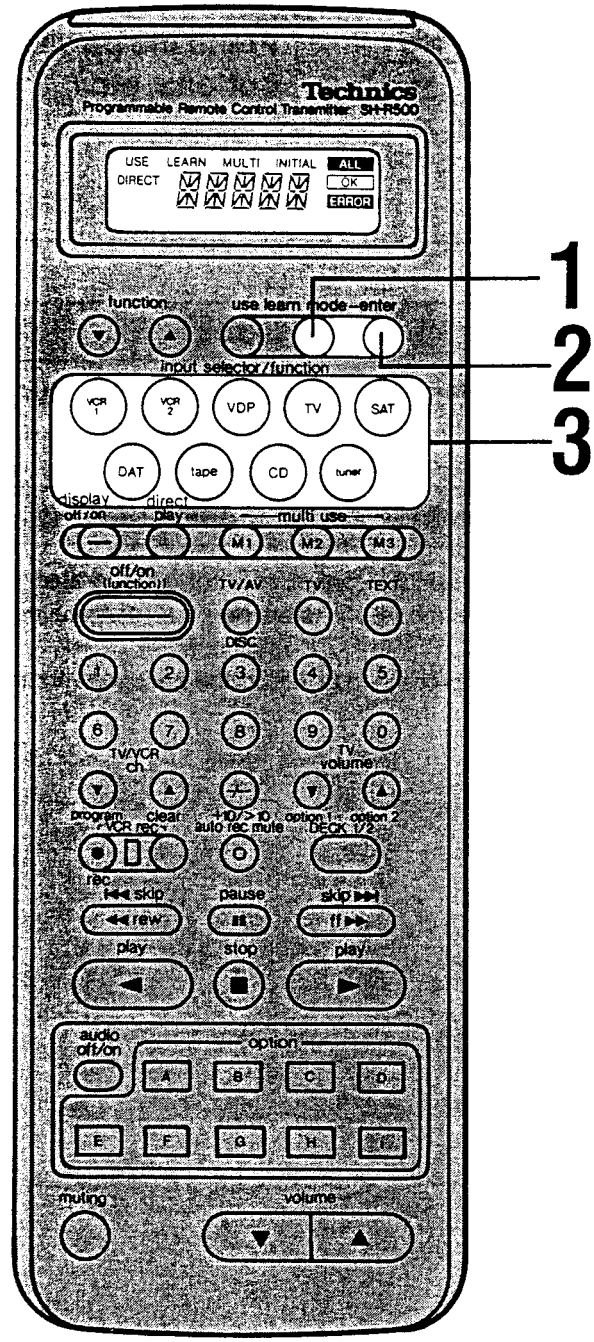
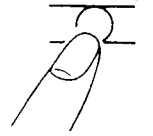
Before Using the Remote Control (continued)



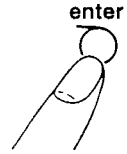
To change modes

1 learn mode–



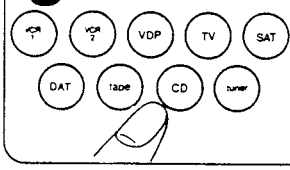
Select "ALL".
(Press 4 times.)

2 enter



Press "enter".
"ALL" will flash.

3



Press and hold the key until the "OK" sign is indicated.

To return to the former mode

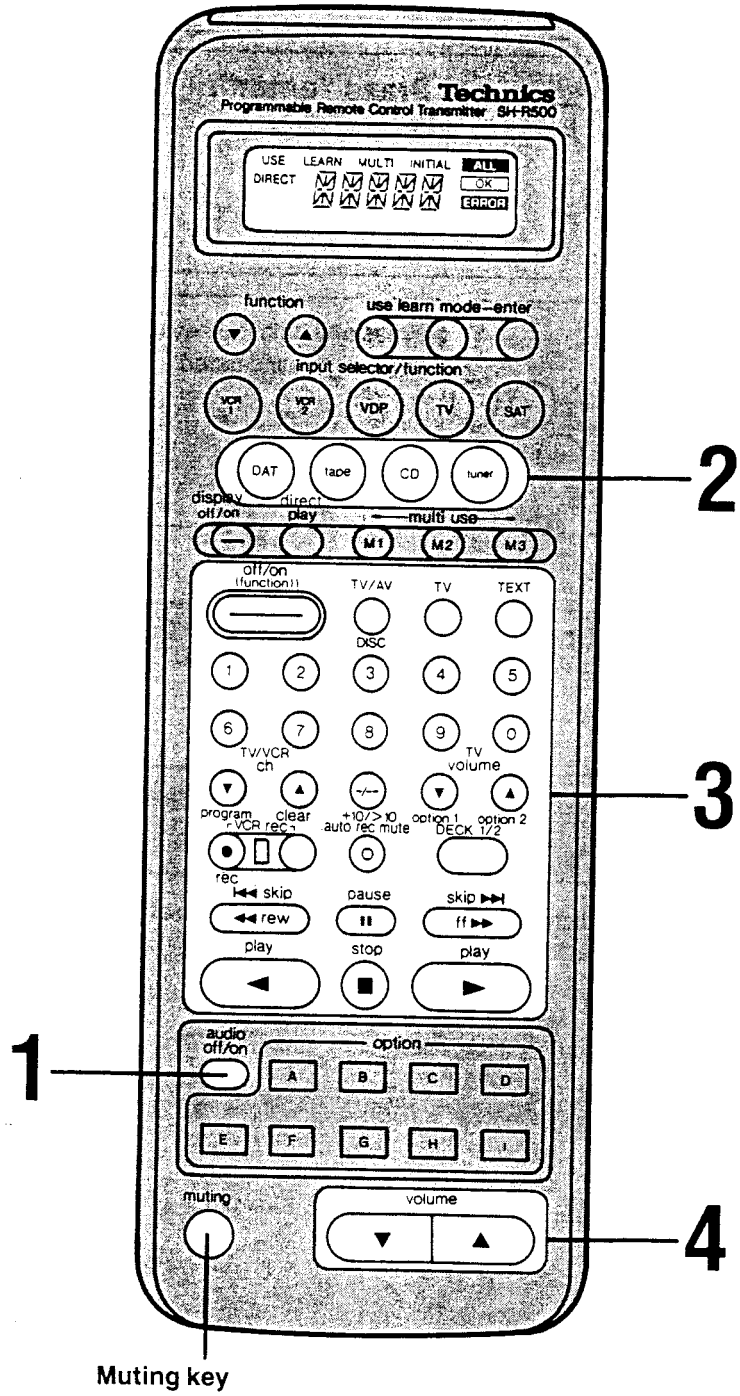
Perform steps 1~3 given above.

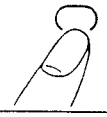
If operation is not possible with new and old codes

Since operation is not possible in this condition, refer to "Code Memorization" on page 32.

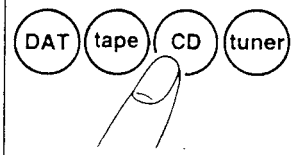
ENGLISH

To Control Technics Audio Components



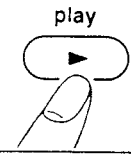
1 

Switch ON the power of the component to be operated.

2 

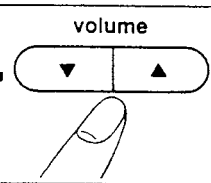
Select the component to be operated.

DAT: For digital audio tape deck
tape: For cassette deck
CD: For CD player
tuner: For receiver or tuner

3 

Operate the component.

(See next page for details.)

4 

Adjust the volume level.

To attenuate the volume level

Press the muting key.

The volume level is attenuated by approx., 20 dB (1/10).

Press once again to resume to the previous volume level.

It doesn't work? In that case:

Copy the memorized settings of the remote control supplied with your audio components to this transmitter as shown on page 32. Then try again.

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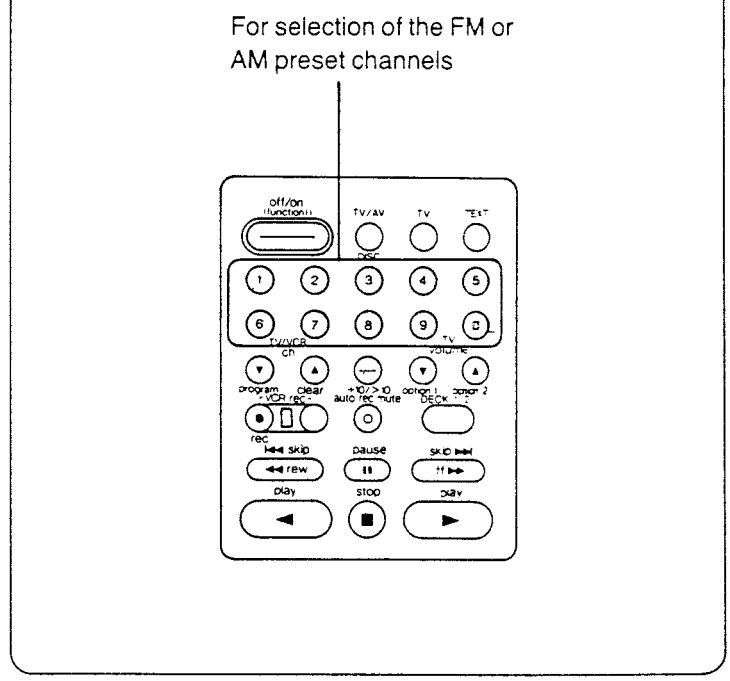
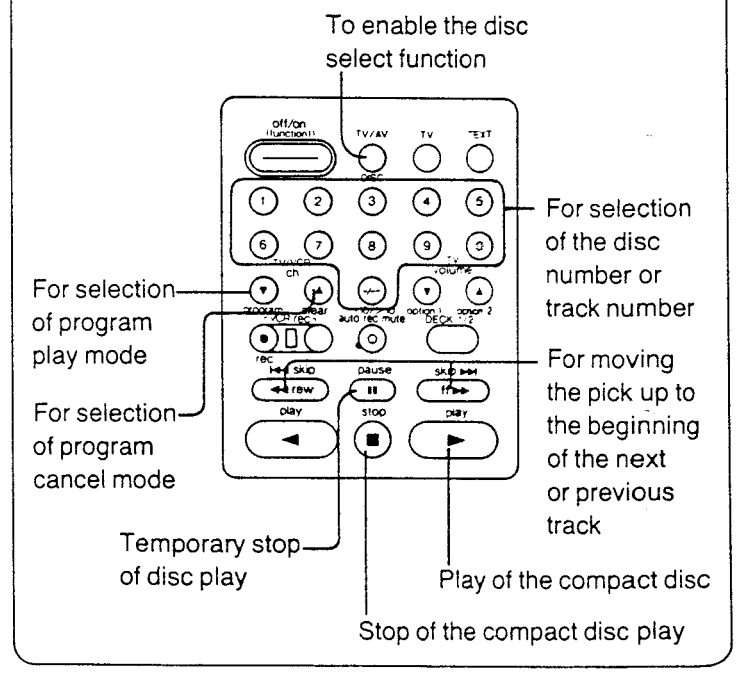
To Control Technics Audio Components (continued)

The following is a description of the various key functions which control remote-control compatible Technics components. Note that some keys may not be functional, depending on the component itself.

Receiver or tuner operation

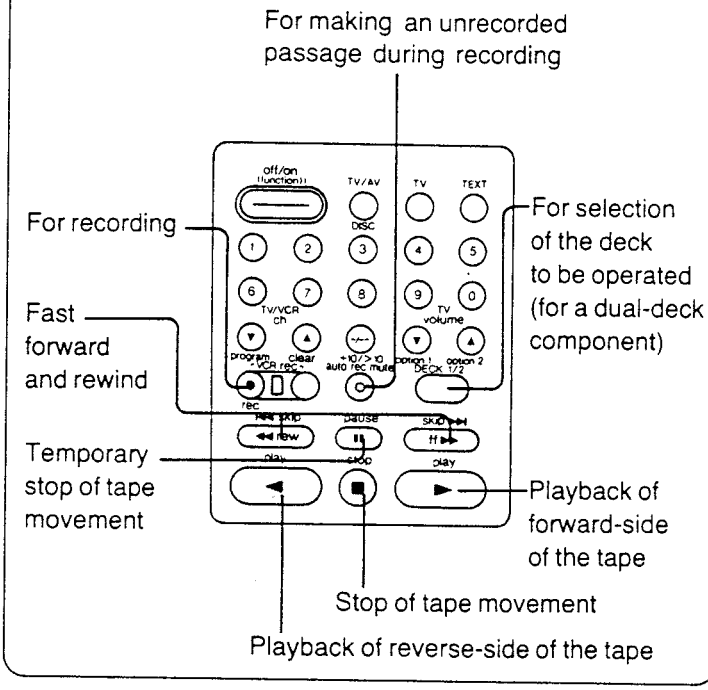


CD player operation

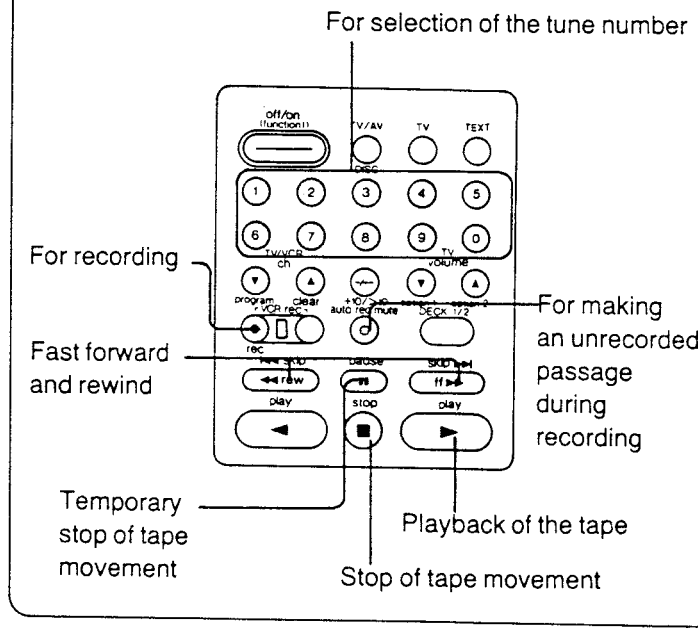

To enable the disc select function
For selection of the disc number or track number
For selection of program play mode
For moving the pick up to the beginning of the next or previous track
For selection of program cancel mode
Temporary stop of disc play
Play of the compact disc
Stop of the compact disc play

For details regarding operation steps, refer to the operating instructions for each component.

Cassette deck operation


For making an unrecorded passage during recording
For recording
Fast forward and rewind
Temporary stop of tape movement
For selection of the deck to be operated (for a dual-deck component)
Playback of forward-side of the tape
Stop of tape movement
Playback of reverse-side of the tape

Digital audio tape deck operation


For selection of the tune number
For recording
Fast forward and rewind
Temporary stop of tape movement
For making an unrecorded passage during recording
Playback of the tape
Stop of tape movement

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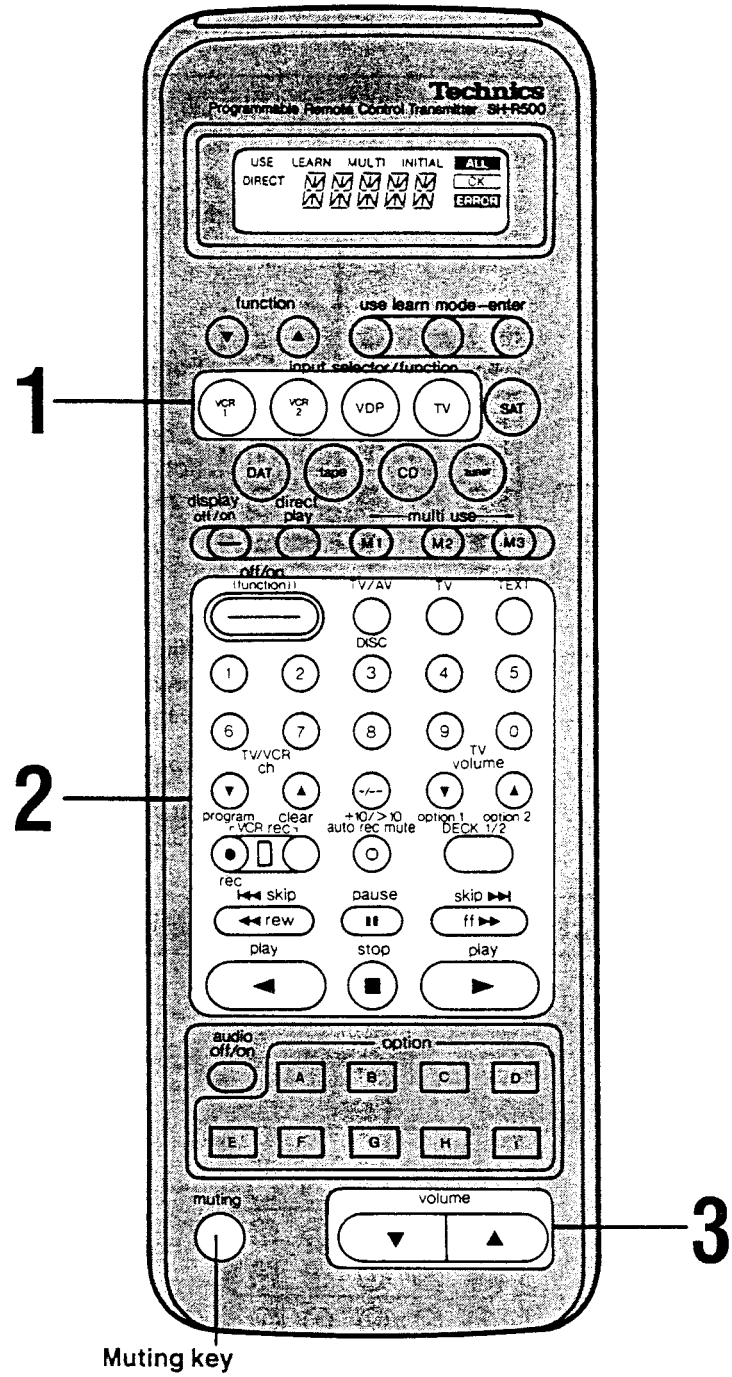
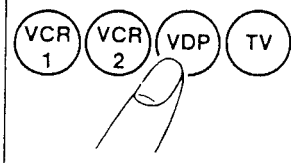
To Control Panasonic Video Components



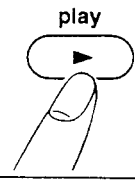
1



Select the component to be operated.

VCR 1: For first VCR
VCR 2: For second VCR
VDP: For video disc player
TV: For TV

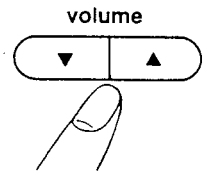
2



Operate the component.

(See next page for details.)

3



Adjust the volume level.

To attenuate the volume level

Press the muting key.

The volume level is attenuated by approx., 20 dB (1/10).

Press once again to resume to the previous volume level.

It doesn't work? In that case:

Copy the memorized settings of the remote control supplied with your video components to this transmitter as shown on page 32. Then try again.

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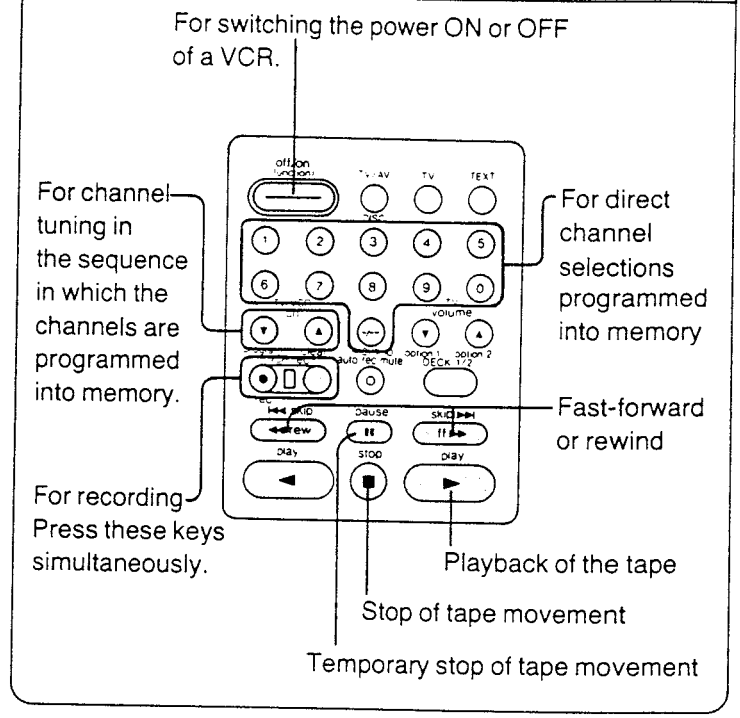
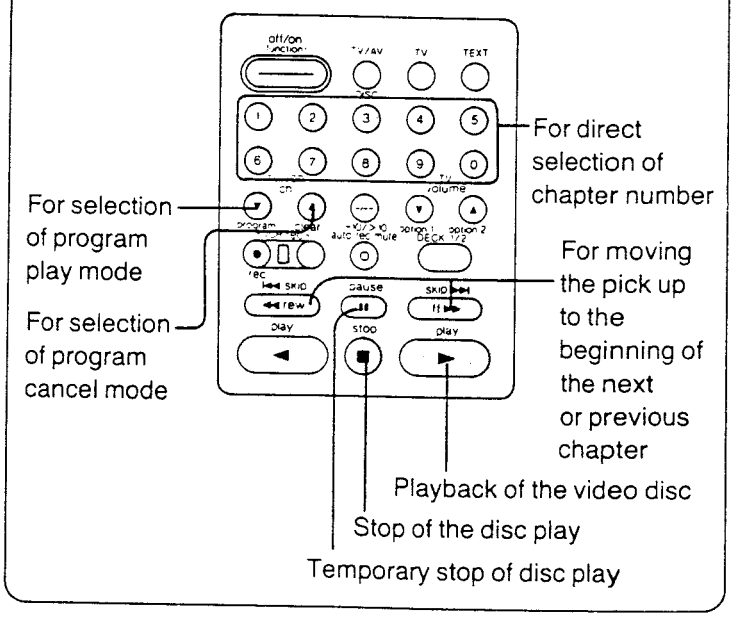
To Control Panasonic Video Components (continued)

The following is a description of the various key functions which control remote-control compatible Panasonic components. Note that some keys may not be functional, depending on the component itself.

VCR 1/VCR 2 operation

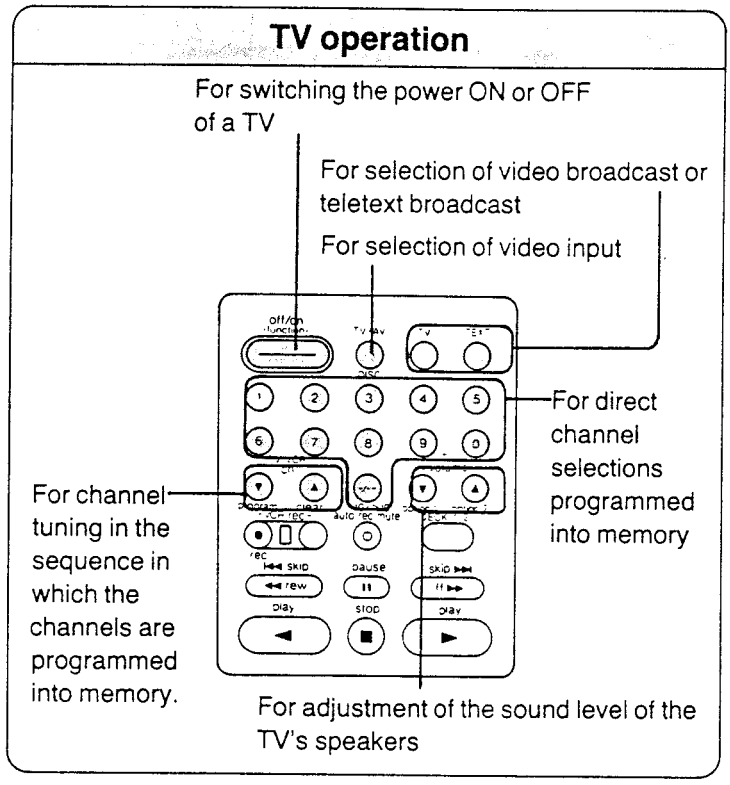

For switching the power ON or OFF of a VCR.
For channel tuning in the sequence in which the channels are programmed into memory.
For recording Press these keys simultaneously.
For direct channel selections programmed into memory
Fast-forward or rewind
Playback of the tape
Stop of tape movement
Temporary stop of tape movement

Video disc player operation


For selection of program play mode
For selection of program cancel mode
For direct selection of chapter number
For moving the pick up to the beginning of the next or previous chapter
Playback of the video disc
Stop of the disc play
Temporary stop of disc play

For details regarding operation steps, refer to the operating instructions for each component.

TV operation


For switching the power ON or OFF of a TV
For selection of video broadcast or teletext broadcast
For selection of video input
For direct channel selections programmed into memory
For channel tuning in the sequence in which the channels are programmed into memory.
For adjustment of the sound level of the TV's speakers

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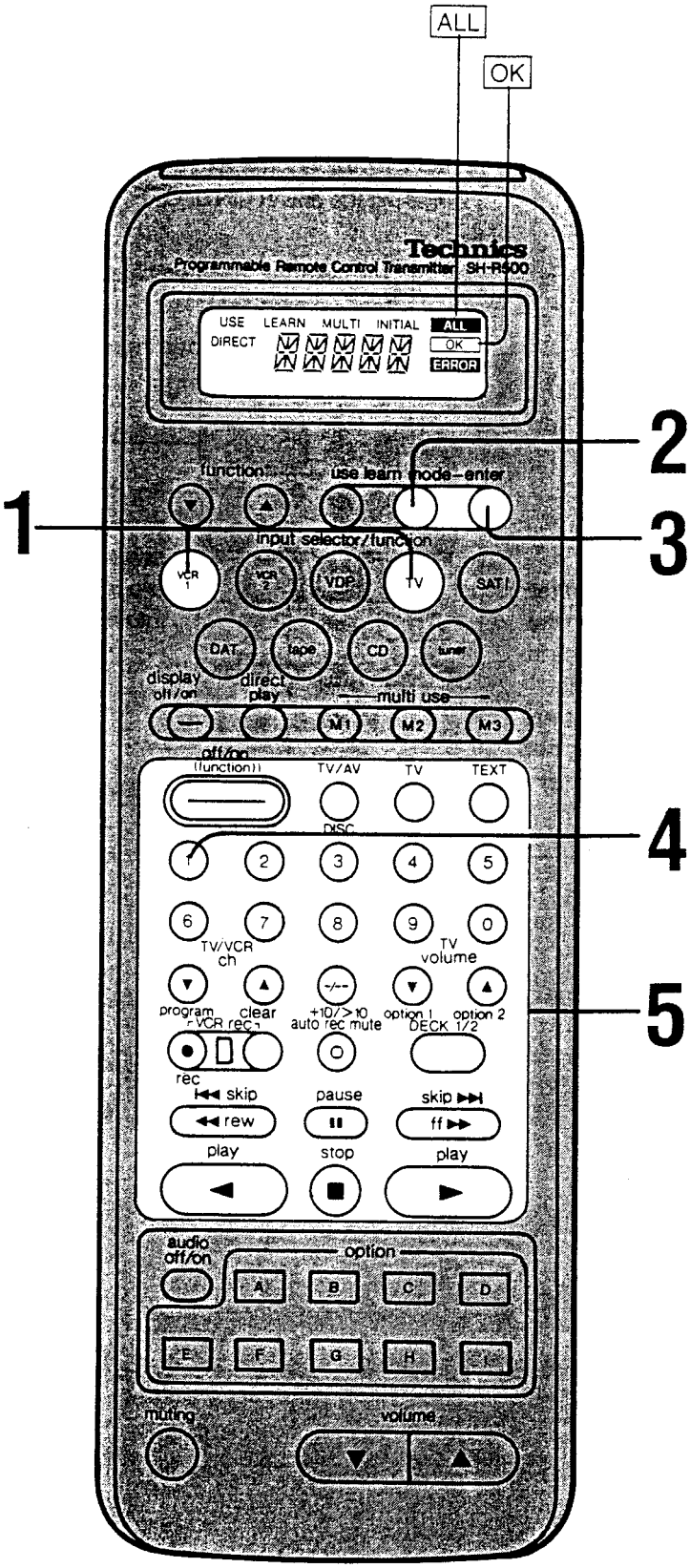
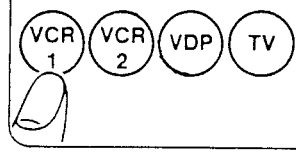
To Control a Thomson VCR or TV



1



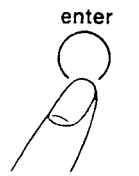
Select the component to be operated.

2

Select "ALL".

(Press 4 times.)

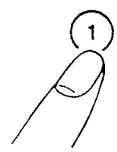
3



Press "enter".

"ALL" will flash.

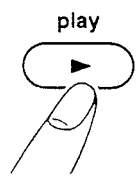
4



Press and hold the ① key until the "OK" sign is indicated.

The "OK" sign indicates the remote-control codes are changed to the Thomson codes.

5



Operate the components.

Operation of the components is the same as Panasonic components.
Please see pages 20~21.

Notes:

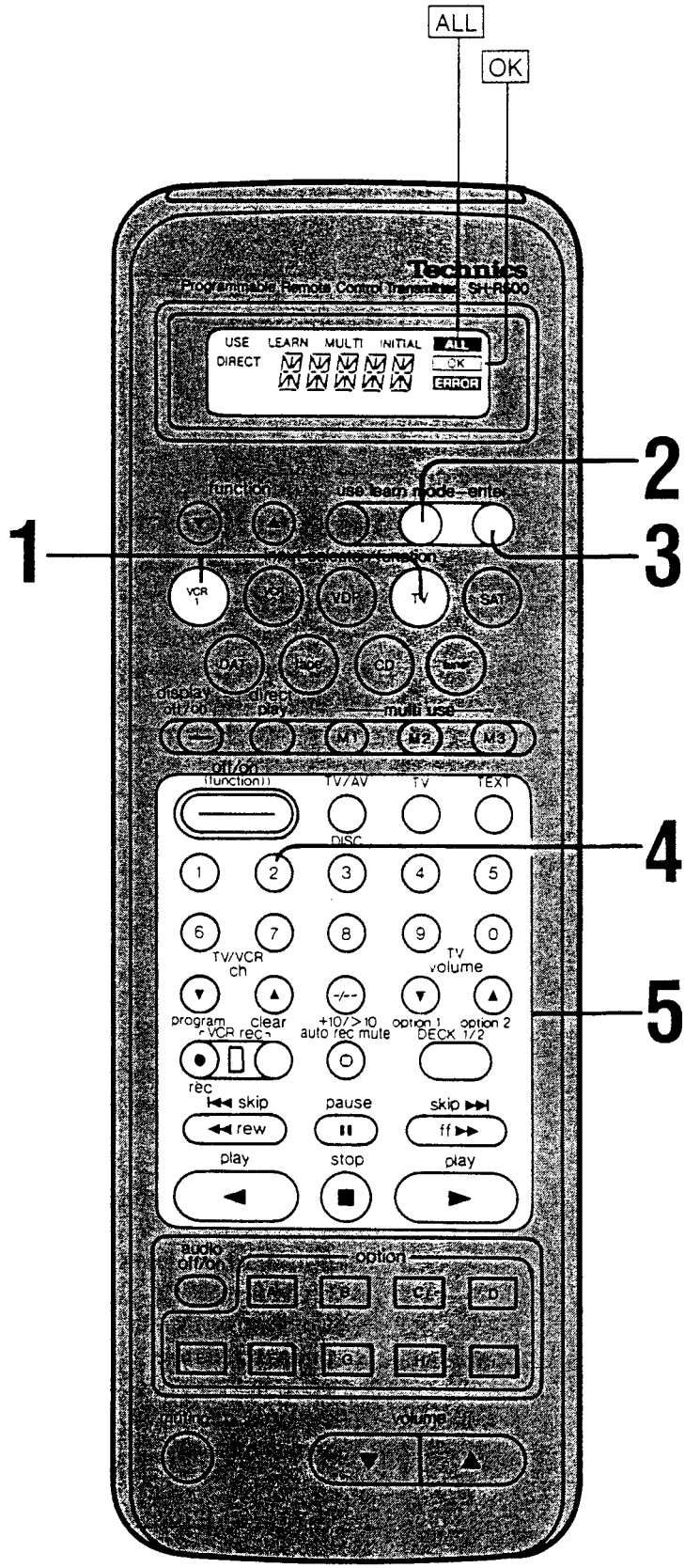
1. The following remote control codes are not programmed into memory.
   - VCR power ON/OFF
   - TV picture input changeover
   - Changeover of TV broadcast and teletext broadcast for TV
   - Up/down of TV and VCR pre-set channels
2. Some keys may not be functional, depending on the component itself.

To return to Panasonic codes

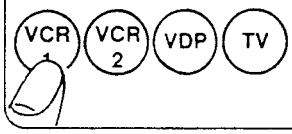
Follow steps 2~3 above and press and hold the appropriate input/function select key until the "OK" sign is indicated.

ENGLISH

To Control a Philips VCR or TV



1



Select the component to be operated.

2

Select "ALL".

(Press 4 times.)

3

Press "enter".

"ALL" will flash.

4

Press and hold the ② key until the "OK" sign is indicated.

The "OK" sign indicates the remote control codes are changed to the Philips codes.

5

Operate the components.

Operation of the components is the same as Panasonic components.

Please see pages 20~21.

Notes:

1. The following remote control codes are not programmed into memory.
   - VCR numeric keys (1~0)
   - Up/down of VCR pre-set channels
   - VCR pause
   - VCR power ON/OFF
2. Some keys may not be functional, depending on the component itself.

To return to Panasonic codes

Follow steps 2~3 above and press and hold the appropriate input/function select key until the "OK" sign is indicated.

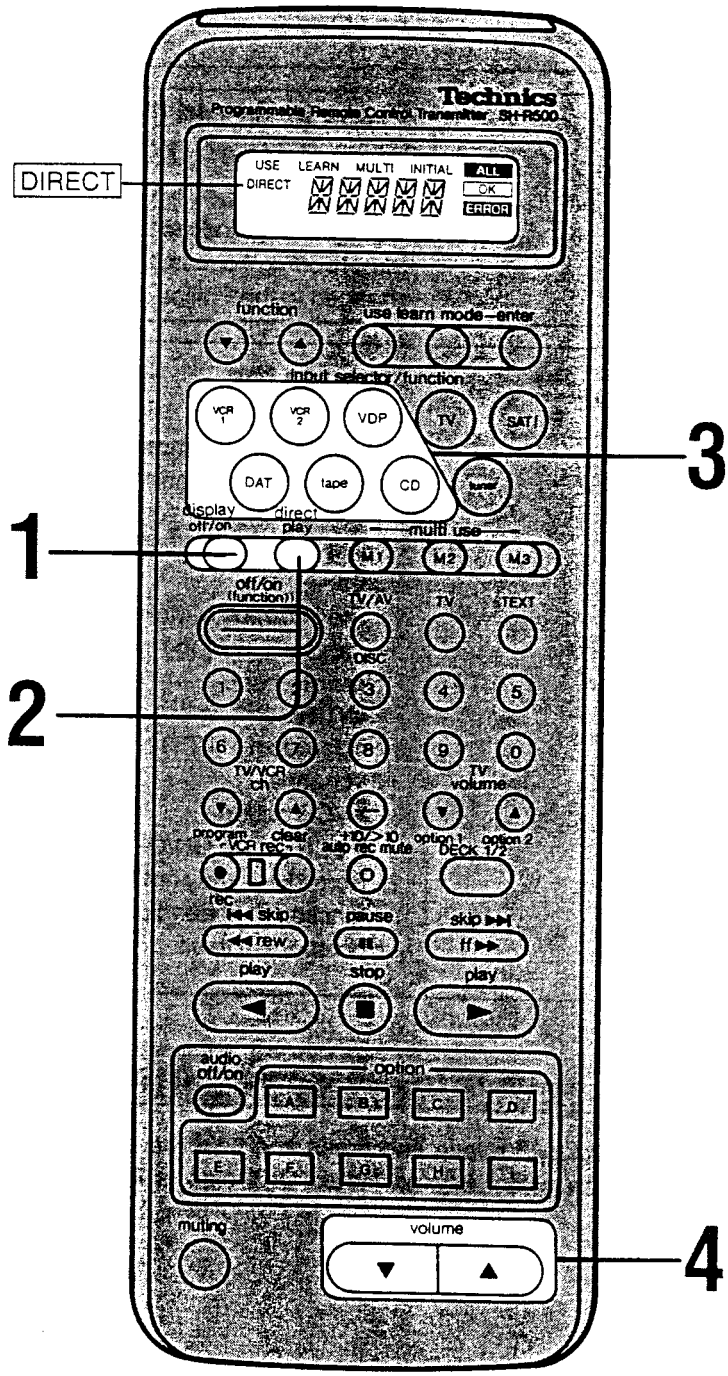
ENGLISH

To Enjoy "Direct Play"

You can enjoy the audio/video source of your choice, simply by selecting the "direct play" key and pressing the input source/ function select key.
(Switching over is unnecessary with PLAY or INPUT SELECT.)

Notes:

1. Direct play is only possible with "VCR 1", "VCR 2", "VDP", "DAT", "tape", "CD".
2. When selecting an input in the direct play mode, press and hold the input/function select key until the display changes (may take 1 or 2 seconds).



1 display off/on

Switch ON the display.

2 direct play

Select "direct play".

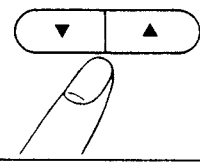
(The "DIRECT" indicator will illuminate.)

3

Select the source of your choice.

The programmed remote-control codes are transmitted as shown below.

4 volume



Adjust the volume level.

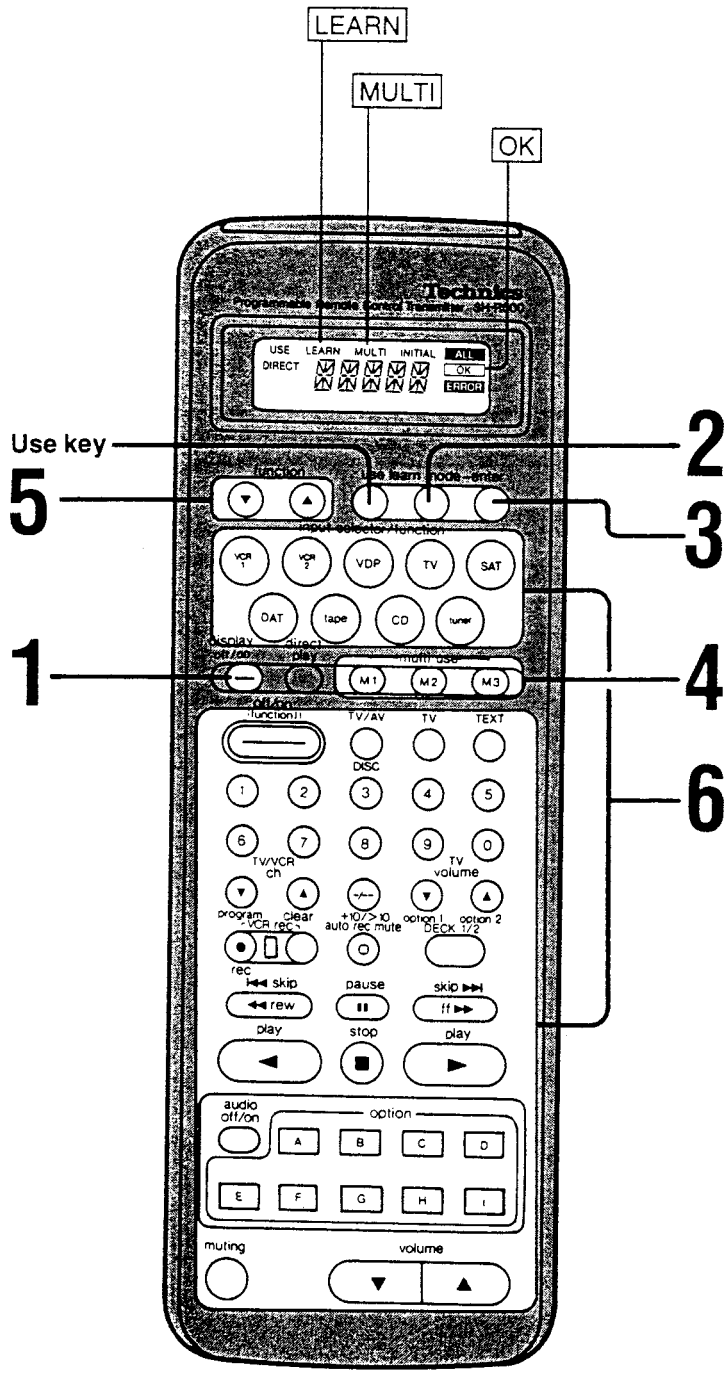
Source	Details to be transmitted			
VCR 1	1	Input Select "VCR 1"	2	VCR 1 play
VCR 2	1	Input Select "VCR 2"	2	VCR 2 play
VDP	1	Input Select "VDP"	2	VDP play
DAT	1	Input Select "DAT"	2	DAT play
tape	1	Input Select "tape"	2	tape play
CD	1	Input Select "CD"	2	CD play

ENGLISH

To Enjoy "Multi-Function Play"

A series of codes (functions) can be stored as a "group" in one of the three "multi use" memory keys. For example, you can use one of the keys to program VCR ON, TV ON, VCR PLAY controls in sequence.
Simply pressing the relevant multi-function key takes care of all these controls in a single operation, so you can start watching a video with one-touch convenience.

Three keys (M1, M2, M3) can store up to 8 controls each.



To program the multi-function keys

1 display off/on

Switch ON the display.

2 learn mode

Select "MULTI".

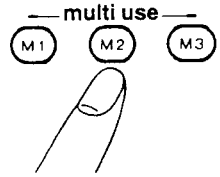
(Press two times.)

3 enter

Press "enter".

"MULTI" will flash.

4 multi use — M1 M2 M3



Select the key you want to program.

"MULTI" and "LEARN" will flash.

5 function

Select the equipment to be controlled.

6 play

Program the desired control function. Repeat this step until all desired controls are programmed.

When the control is programmed correctly, the "OK" sign is displayed.
When 8 control functions have been entered, the unit will return to the "use" mode.

To stop programming

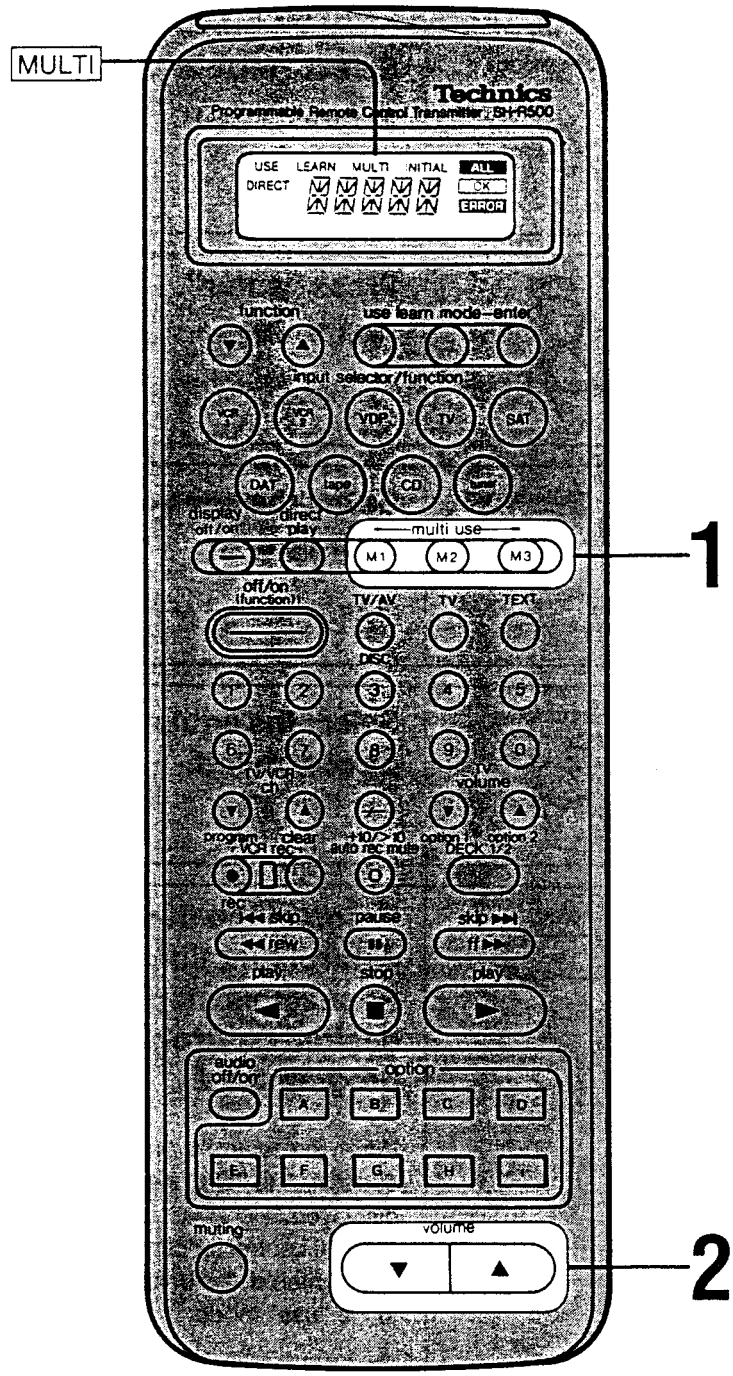
Press the "use" key.

To alter the program

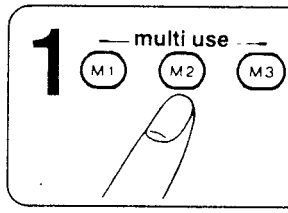
Repeat the above procedures.
(The previously programmed contents will be erased.)

ENGLISH

To Enjoy "Multi-Function Play" (continued)

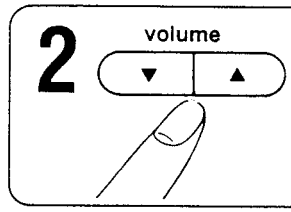


To operate



Select the "multi use" key.

"MULTI" will illuminate.



Adjust the volume level.

Care to be taken when the power is switched "ON" with the multi-function key.

Make sure that the power source of the equipment to be operated has originally been switched "OFF" from the remote control.

(If the multi-function key is pressed "ON" while the power source is already "ON", the power will be switched "OFF".)

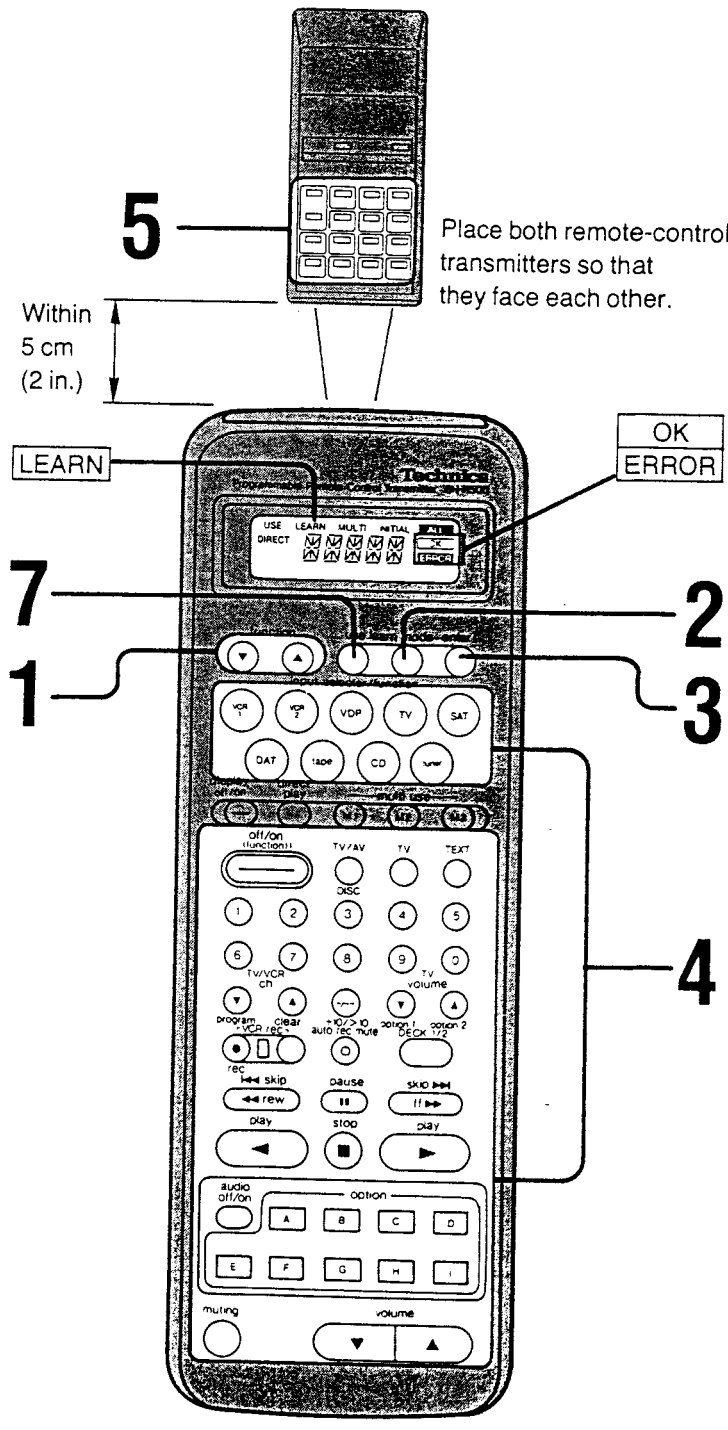
Code Memorization

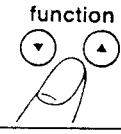
ENGLISH

This remote-control transmitter has the capability of receiving transmission signals (remote-control codes) from other remote-control transmitters and to store them in its memory. This means that other remote-controlled components (i.e. TV and VCR) can be operated using this remote-control.

Note:

The capability of storing codes from other remote-control transmitters is limited to those that are of the infrared type only. Furthermore, there are some remote-control transmitters that employ a special code system that may not be compatible with this unit.

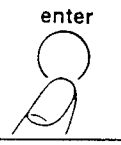


1 

Select the component.

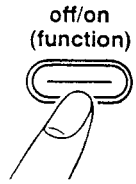
2

Select "LEARN".

3 

Press "enter".

"LEARN" will flash.

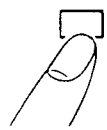
4 

Select the key to be programmed.

The "LEARN" will flash faster.

Notes:

1. For memorizing "VCR rec" keys, press two keys simultaneously.
2. It is recommended that, for your convenience, the "option" keys (A, B, C, D, E, F, G, H, I) be used to memorize the codes that you often use.

5 

Press and hold the key corresponding to the function to be memorized; hold the key until the "OK" indicator of the SH-R500 illuminates.

If the "ERROR" indicator illuminates, repeat steps 4 and 5 once again.

Note:

When memorizing the remote-control codes for the first time, the "ERROR" indicator may illuminate depending on the type of remote control.

6

Repeat steps 4 and 5 for each key function to be programmed.

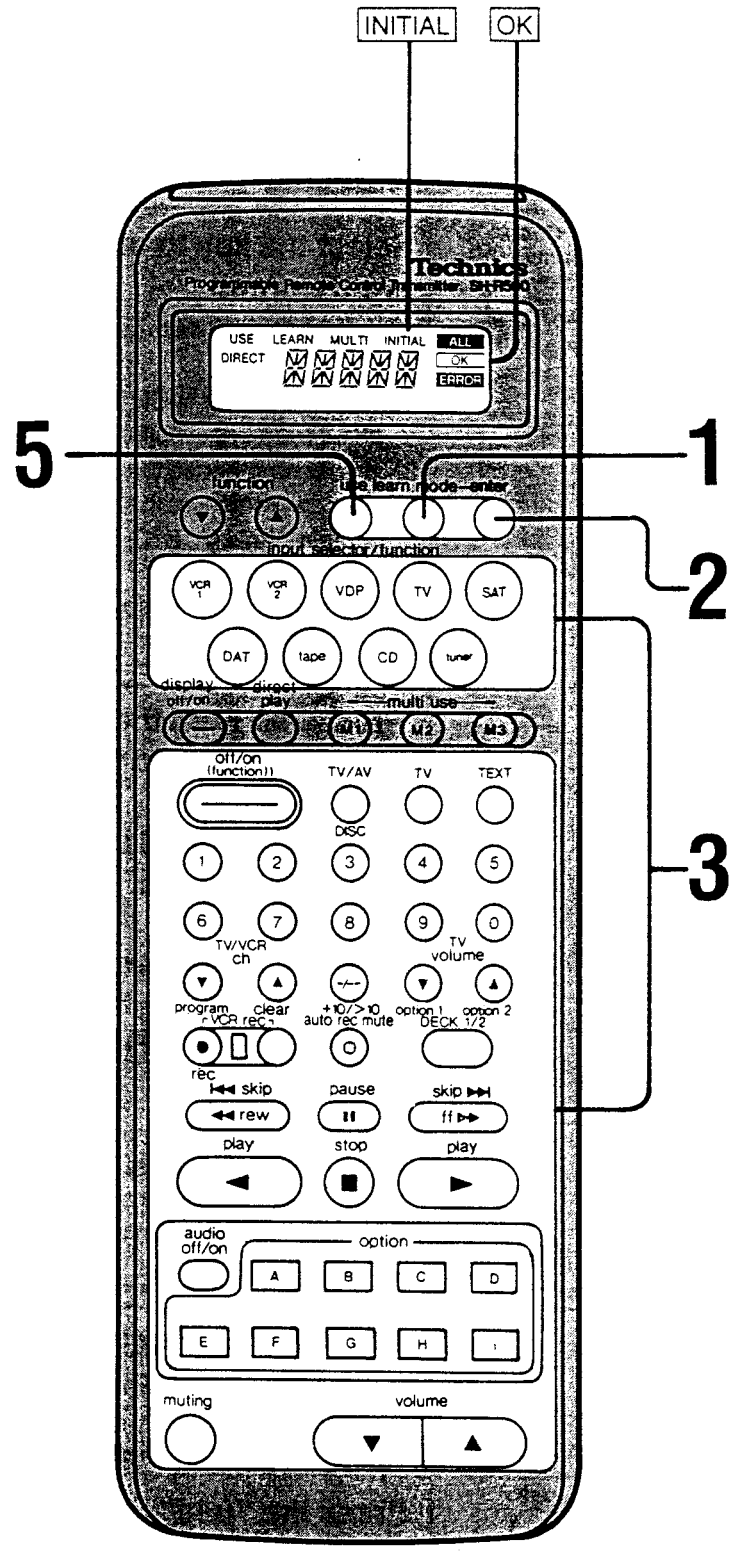
7

Press the "use" key to return to the "use" mode.

ENGLISH

Code Erasure

There are two ways to cancel the memorized codes.
Select whichever method you prefer.
When the memorized data settings are cancelled, there will be a return to the original pre-programmed codes for the corresponding Technics/Panasonic components.



To cancel one code at a time

1 learn mode

Select "INITIAL".
(Press 3 times.)

2 enter

Press "enter".
"INITIAL" will flash.

3 off/on (function)

Select the key to which the cancellation will be applicable.
When the code is cancelled correctly, the "OK" sign is displayed.

4

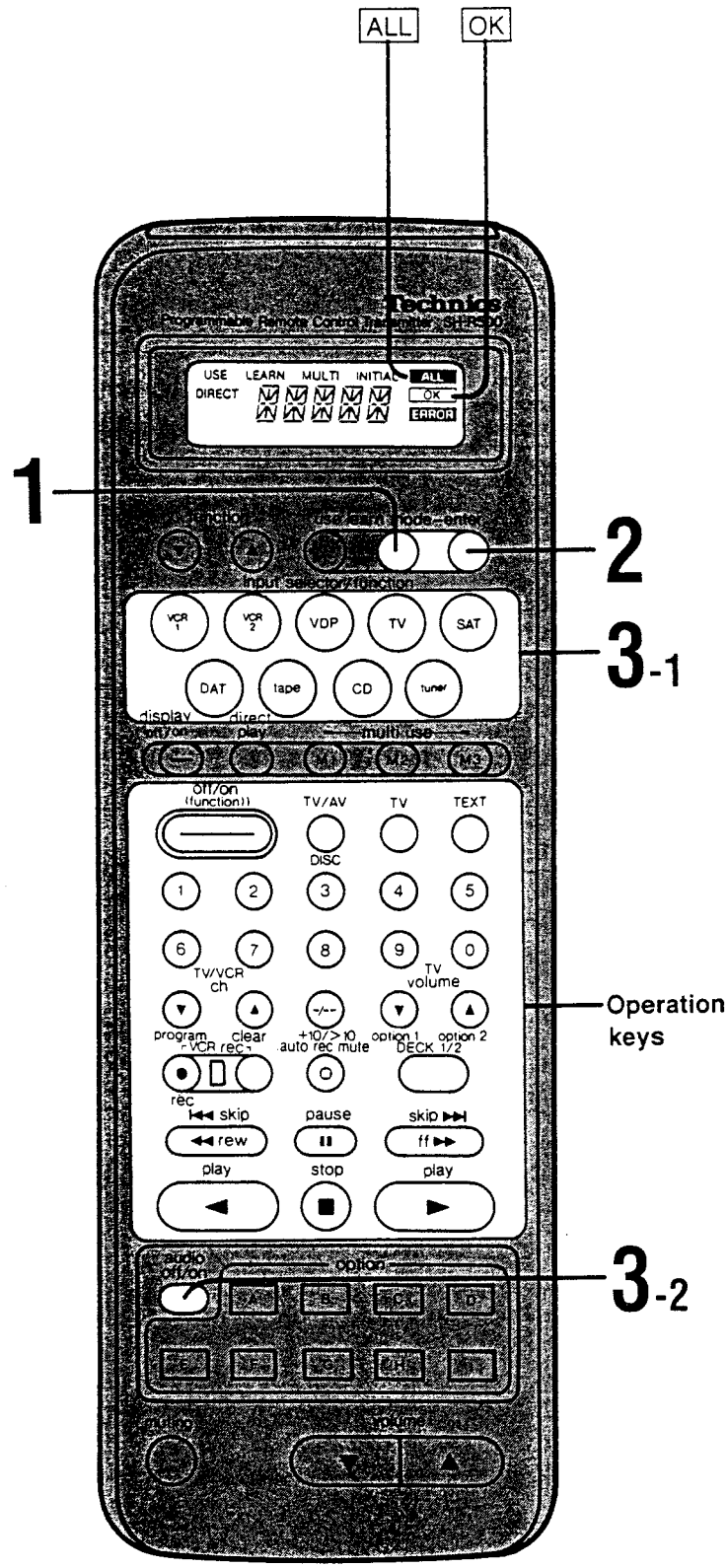
Repeat step 3 to continue canceling.

5 use

Press the "use" key to return to the "use" mode.

Code Erasure (continued)

ENGLISH



To cancell all

1 learn mode

Select "ALL".

(Press 4 times.)

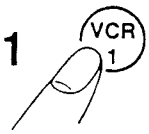
2 enter

Press "enter".

"ALL" will flash.

To cancel all of operation keys

3-1



Press and hold the key to which the cancellation will be applicable.

When the codes are cancelled correctly, the "OK" sign is displayed and then the unit will return to the "use" mode.

To cancel all of other keys

3-2 audio off/on

Press the "audio power" key.

When the codes are cancelled correctly, the "OK" sign is displayed and then the unit will return to the "use" mode.

ENGLISH

Troubleshooting Guide

ENGLISH

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your Technics dealer for instructions.

Remote-control transmitter does not function.

Probable cause(s)	Suggested remedy
Batteries are incorrectly installed.	• Insert the batteries so that the positive (+) and negative (−) polarities are correct.
The batteries are drained.	• Replace them with new batteries.
The remote-control transmitter is not correctly facing the tuner, TV or VCR, etc.	• Face the remote-control transmitter correctly toward the signal receptor of each unit.
The "use" mode is not selected.	• Select the "use" mode by the mode select keys.

Maintenance

To clean this unit, use a soft, dry cloth.
If the surfaces are extremely dirty, use a soft cloth, dipped into a soap-and-water solution or a weak detergent solution.
Wring the cloth well before wiping the unit.
Wipe once again with a soft, dry cloth.
Never use alcohol, paint thinner, benzine, nor a chemically treated cloth to clean this unit.
Such chemicals may damage the finish of your unit.

Technical Specifications

ENGLISH

Power source	: R03 (UM-4)×4
Dimensions (W×H×D)	: 76×225×32 mm (3″×8⅞″×1¼″)
Weight	: 195 g (6.9 oz) (Without batteries)